LAND APPLICATION SITE

MCMULLEN FARM, INC.

GRGEM 1-8

GREENE COUNTY

MAPPED

JAN 2 5 2013

By: 485

## RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	McMullen Farm Inc.
This biosolids application agreement is made on	referred to here about "Permittes".
Landowner is the owner of agricultural land shown on the	map attached as Exhibit A and designated there as
with certain permit requirements following application of biosolids o by (VPA) (VPDES) permit number which is h	
Landowner acknowledges that the appropriate application of b conditioning to the property and consents to the application of bios having been expressly advised that, in order to protect public health	olids on his property. Moreover, landowner acknowledges
1. Public access to landowner's land upon which biosolids ha following any application of biosolids and no biosolids amended so same period of time unless adequate provisions are made to prev	il shall be excavated or removed from the site during this
2. Food crops with harvested parts that touch the biosolids/so be harvested for 14 months after the application of biosolids. Food shall not be harvested for 20 months after the application of biosolime period of four (4) or more months prior to incorporation into land surface for a time period of less than four (4) months prior crops shall not be harvested for 30 days after the application of biological parts.	d crops with harvested parts below the surface of the land blids when the biosolids remain on the land surface for a the soil, or 38 months when the biosolids remain on the to incorporation. Other food crops, feed crops and fiber
3. Following biosolids application to pasture or hayland sites chopped foliage for 30 days and lactating dairy animals should be si should be restricted from grazing for 30 days;	
4. Supplemental commercial fertilizer or manure applications s that the total crop needs for nutrients are not exceeded as identified certified in accordance with §10.1-104.2 of the Code of Virginia to of application of biosolids to a specific permitted site;	in the nutrient management plan developed by a person
<ol> <li>Tobacco, because it has been shown to accumulate cadmivers following the application of biosolids borne cadmiversity kilograms/hectare).</li> </ol>	
<ol> <li>Turf grown on land where biosolids are applied shall not be harvested turf is placed on either land with a high potential for p permitting authority.</li> </ol>	harvested for one year after application of biosolids when the public exposure or a lawn, unless otherwise specified by the
The landowner agrees to allow county officials access to necessary, to complete site inspections related to the scheduled bit	the area of the property permitted for biosolids, whenever osolids program.
Permittee agrees to notify landowner or landowner designe specifically prior to any particular application to landowner's land, written notice to the address specified below.	This agreement may be terminated by either party upon
McMullen form Inc Landowner Signature:	Mailing Address: Madison Rd.
Emmett McMullew Owner/Pres	Stanardsville, Va. 22973
Landowner Signature:  Emm ctt McMullen Owner/Pres  Landowner Print Name  Emmily McMullen	Phone: 434-985-4595
C. T. M. M. OO.	Mailing Address:
Farm Operator Signature:	
Farm Operator Print Name:	Phone:
Permittee:	Mailing Address:
Recyc Systems, Inc.	P.O. Box 562 Remington Virginia 22734
	(640) 647 2200

## **FARM DATA SHEET**

SITE NAME:	McMullen Farm, Inc.	COWINITY:	Greene
OWNER:	The McMwllen Farm, Inc. Emmet McMwllen	OPERATOR	Emmett McMullen
OWNER'S	951 Madison Road	OPERATIONS	951 Madison Road
ADDRESS	Stanardsville, VA 22973	ADDRESS:	Stanardsville, VA 22973
OWNER'S Telephonie	434-985-4595	OPERATIONS TELEPHONE	434-985-4595
GE <b>NERALITARIV</b> I Type:	Beef Catttle	CEULPHONE:	
# CATTLE	150	EMAIL:	
LAXEEDUN or SLURRY:	None		<b>38<sup>6</sup>19</b> ′00″
ГОРО QUAD:	Stanardsville	LONGHUDE	78 <sup>8</sup> 26'00''
COMMENTS:			
	·	<del></del>	
		- · · · · ·	

## RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Env	vinonmeentaally	Semsitive Sc	oils	][	Tax	FSA
Identification	Acres	Water Table	Bed Rock/Shallow	Surfl/eeach	Freq Elbood	Hydro Map	Мар#	Tract #
GROEM 1	36.2	∕Cn.KCn,Kn	-			RA226	TM 27 P 85	982
GRGEM 2	28. <b>6</b>	Kn,SKn,Sc	-	Cv		RA226	TM 27 P 85	982
*"GRGEM 3	13.8,	<u>-</u>				RA226	TM 27 P 85	982,919
^GRGEM 4	17.52	<" Kn <b>l</b> Sn,Sc	~-			RA226	TM 27 P 85	982,919
*GRGEEM 5	13.80	· Kn,Sc		Cv		RA226	TM 27 P 85	919
<b>√GRGEM</b> 6	18.5/>	's <b>sc</b>		Cv		RA226	TM 27 P 85	919
GREGEM 7		Cn,KCn,Kn	72-	Cv		RA26	TM 27 P 855,866	919
*CHRCHENM 8	40.2 w	∕Hb.9Hb,Sc	AsD	AsD,Hb		RA226	TM 27 P 85	919
			-					
-					· · <u>-</u>			
TOTAL ACRES IN SITE	196.7						·	

## Recyc Systems, Inc

## McMullen Farm, Inc. Site

County	Owner	Operator	FSA Tract No.	Recyc Field No.	Net Acres	Date of Last Application
Greene	McMullen Farm Inc.	Emmett McMullen	T9882 Field 1, 22	GROOM 1	36.2	06-12
			T982 Field 3,16	GRŒEM 2	28.6	06-12
			T9882,9919 Field 4, 1	GROWN 3	13.8	07-03
			T9882, 919 Field 5, 2	GRŒM 4	17.5	01-12
			T911.9 Field 3	GRŒM 5	13.8	06-12
			T9119 Fireld 8	GROEM 6	18.5	06-12
	McMullen Farm Inc & Emmett McMullen		T9/19 Field 6, 7	GRŒM 7	28.1	06-12
	McMullen Farm, Inc		T9919 Field 1,44,55	GREEM 8	40.2	09-03
·						
					. <u>-</u> .	
		N.				

Page 1 of 4

Report Number: 11-122-0602 Account Number: 70594 MWW.aleastern.com

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITÉSHOP RD CULPEPER VA 22701 Grower:

Submitted By: DG

Farm ID:

MCMULLEN FARM/GRGEM

GREENE

VF.

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

Mehlich 3

Date Received: 05/02/2011

Date Of Analysis: 05/03/2011

Date Of Report: 05/04/2011

		Org	ganic Ma	tter		Phos	phorus	,	Pota	ssium	Mag	nesium	Cal	cium	Sodium		рН	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A	Mehli ppm	ich 3 Rate	Rese ppm	erve Rate	ppm	K Rate	ppm	Mg Rate	ppm	Ca Rate	Na ppm Rate	Soil pH	Buffer	H meq/100g	meq/100g
GRGEM 1	12620	3.1.	. <b>M</b> 9	98	145	VH		-	110	M	148	М	1256	М		5.7	6.72	2.1	9.9
GRGEM 2	12621	2.8	M 8	8 <b>9</b>	102	Н		-	134	М	104	l.	1998	Н		6.5	6.84	0.9	12.1
GRGEM 3	12622	2.2	L 8	80	22	L			24	VL	149	М	1586	Н		6.8	6.90	0,3	9.5
GRGEM 4	12623	2.7	M 9	93	12	VL			46	VL.	145	Н	1085	M		6.1	6.82	1.1	7.8
GRGEM 5	12624	1.9	. L 7	74	45	· M			25	VL	99	L	1760	VH		7.3		0.0	9.7

		Perce	nt Base	Saturati	on	Nitra	ate	Su	lfur	Z	inc	Mang	anese	- Ir	on	Cop	per	Во	ron	Soluble	Salts	Chlo	oride	Aluminum
Sample ID Field ID	к %	Mg %	Ca %	Na %	.н %	NO ppm	5	ppm	S Rate	ppm	Zn Rate	ppm N	in Rate	· ·	Fe Rate	ppm	u Rate	ppm	-	ms/cm		ppm	Rate	Al ppm
GRGEM 1	2.8	12.5	634		21.0											,					i			
GRGEM 2	2.8	7.2	82.6		7.4																) )			
GRGEM 3	0.6	13.1	83.5		2.9				····				· · · · · · · · · · · · · · · · · · ·								: .			
GRGEM 4	1.5	15.5	69.6		13.8																1			
GRGEM 5	0.7	8.5	90.7		0.0		-,												·		1		·	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Sollube Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mc George

Pauric McGroary

Report Number: 11-122-0602 Account Number: 70594

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A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701** 

Grower:

Submitted By: DG

Farm 1D:

MCMULLEN FARM/GRGEM

GREENE

Date Received: 05/02/2011

Date Of Report: 05/04/2011

#### SOIL HERRICIE ITRECEDIOMEN ENTINOSIS

Sample ID Field ID	Intended Crop	Yiedd Gozal	Lime Tons:/A	Nitroggen N Ib//A	Phospidate P <sub>2</sub> O <sub>5</sub> Its/A	Potesh K <sub>2</sub> O lb//A	Magnesium Mg Ib/A	Soulffur S  bb//A	Zinc Zn lb//A	Manganese! Mn! lb/A!	Iron Fe Ib/A	Compper Cu Ib/A	Borcom B Ib/A
GRGEM 1	Adjust pH to 6.8	0	2.0				0			:			
GRGEM 2	Adjust pH to 6.8	0	1.0				0						
GRGEM 3	Adjust pH to 6.8	0	0.0				0			• 1			
GRGEM 4	Adjust pH to 6.8	0	1.3				o			:		·	
GRGEM 5	Adjust pH to 6.8	0	0.0				, 0			:		1	

#### Comments:

#### Sample(s) GRGEM 2:

Apply dolomitic time to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGreary

Report Number: 11-122-0602

Account Number: 70594



### A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701** 

Grower: MCMULLEN FARM/GRGEM Submitted By: DG

Farm ID:

GREENE

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

Mehlich 3

Date Received: 05/02/2011

Date Of Analysis: 05/03/2011

Date Of Report: 05/04/2011

		Org	ganic Ma	atter		Phos	phorus		Potas	sium	Mag	nesium	Cal	cium	Soc	dium	þ	н	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR ibs/A	Mehlio ppm Rat		Reserve ppm	e Rate	ppm	( Rate	ppm	Mg Rate	ppm	Ca Rate	ppm	la Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
GROLEM 6	12625	2.2	L	81	55 .	H		/	32	VL	147	М	1472	Н			6.9	6.92	0,1	8.8
GRGEM 7	12626	2.2	L	83	14	L			69	L	133	M	1056	Н			6.2	6.84	0.9	7.5
GRŒEM &	12627	2.2	L	85	26	L			124	М	79	М	769	М			5.5	6.76	1.7	6.5

_		Perec	ntBases	Salturat	on	Nilaate	Su	lfur	Z	inc '	Manga	anese	li	ron	Сор	per	Во	ron	Soluble	Salts	Chlo	oride	Aluminum
Sampple ID Field ID	К %	Mg %	Ca ‰	Na %	Н %	NO <sub>3</sub> N popmaRat Rate	l .	S Rate	ppm	Žn Rate	M ppm		1	Fe Rate	ppm C			B Rate	S: ms/cm	- 1	1	Rate	Al ppm
GROBEMI66	0.9	13.99	83.6		1.4																		
GRGEM77	2.4	14.8	76.4		12.1																		
GROGE M88	4.9	10.1	59.2		25.7																		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium). H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A. Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

Pauric McGroary

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**Report Number: 11-122-0602** 

**Account Number: 70594** 

PIL WWW.aleastern.com

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Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower: MCMULLEN FARM/GRGEM

GREENE

Submitted By: DG

Farm ID:

Date Received: 05/02/2011

Date Of Report: 05/04/2011

#### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> Ib/A	Potash K₂O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn Ib/A	lron Fe lb/A	Copper Cu Ib/A	Boron B Ib/A
GRGEM 6	Adjust pH to 6.8	0	0.0				0						
GRGEM 7	Adjust pH to 6.8	0	1.3				0				<u>_</u> _		
GRGEM 8	Adjust pH to 6.8	0	2.0				1						l

#### Comments:

#### Sample(s) GRGEM 8:

Apply dolomitic lime to raise pH and improve the magnesium level.

If dotomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

#### NUTRIENT MANAGEMENT PLAN IDENTIFICATION

#### Operator

Emmett McMullen 951 Madison Road Stanardsville, VA 22973 434-985-4595

Integrator:None

#### Farm Coordinates

Easting: 0, Northing: 0, zone: 17

#### Watershed Summary

watershed: RA26 county: Greene

#### Nutrient Management Planner

Recyc Systems, Inc. Recyc Systems, Inc P.O. Box 562 Remingtong, VA 22734 540.547.3300 Certification Code: None

#### Acreage Use Summary

Total Acreage in this plan: 189.2

Cropland: 0 Hayland: 32.

0.. 32.**3** 

Pasture: 156.

156.9

Specialty: 0

0.

#### Livestock Summary

Beef Cattle 0

Dairy Cattle 0 0

Poultry 0

Swine 0

0

Other 0

0

#### Manure Production Balance

The property	<b>imported</b>	Produced	Exported	Used	Net	
kgals	0.	0.	0.	0.	0.	-
tons	0.	0.	0.	Ô.	0.	

Plan written 10/2/2008 Valid until 10/2/2008

	·		
Signature:			
	Planner	 	date

#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Summer, 2008-Winter, 2012) McMullen Farm, Inc Planner: Recyc Systems, Inc.

Tract: 919

Location: Greene

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFS/ANNo. /Name	Size (ac) Total/ Used		Сгор	Needs N-P-K (lbs/anc)	Leg /Mam Resid	Manure/BiosId Rate & Type (seasonn)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
3/GRGEM05(N)	14/14	2008	Orchardgrass hay	90-80-170	0/0			_	90-80-170	N/A			
	1	2000	mt.	00 00 470	0/0					1	ļ		
	1	2009		90-80-170	0/0				90-160-340	N/A			
	1	2010		90-80-170	0/0			i	90-240-510	N/A			
	1	2011		90-70-220	0/0				90-310-730	N/A			
	<b>.</b>	2012		90-70-220	0/0		↓		90-380-950	N/A		<b></b>	
8/GRGEM06(N)	19/19	2008	Orchardgrass hay	90-80-170	0/0			1	90-80-170	N/A			
			mt.										
		2009		90-80-170	0/0	ĺ			90-160-340	N/A			
	1	2010		90-80-170	0/0			ļ	90-240-510	N/A		]	
		2011	· · · · · · · · · · · · · · · · · · ·	90-60-220	0/0				90-300-730	N/A		1	
		2012		90-60-220	0/0		<u> </u>		90-360-950	N/A		<u> </u>	
6, 7/GRGEM07((N))	28/28	2008	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
		2009		50-30-40	0/0	ļ			50-60-80	N/A			
		2010		50-30-40	0/0				50-90-120	N/A		1	
		2011		50-50-50	0/0				50-140-170	N/A			
		2012		50-50-50	0/0			]	50-190-220	N/A			
1, 4, 5/GRGEM08(N)	38/38	2008	Grass Pasture	50-30-0	0/0				50-30-0	N/A			
* ,		2009		50-30-0	0/0	[			50-60-0	N/A	Į.		
	1	2010	*** *** ***	50-30-0	0/0				50-90-0	N/A	}		
		2011		50-30-0	0/0				50-120-0	N/A			
		2012		50-30-0	0/0	ĺ			50-150-0	N/A			

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 982 Location: Greene (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field GFS ANNO /Name	(ac)	Yr.	Crop	Needs N-P-K (lbs/ac);	Leg /Mam Resid	Manure/Biosild Rate & Type (seasom)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commencial N-P-K (Ibs/ac)	Notes	
1,2/GRGHM011(1P)	35/35	2008	Grass Pasture	50-30-40	0/0	· · · · · · · · · · · · · · · · · · ·		-	50-30-40	25		<del> </del>	
		2009		50-30-40	0/0				50-60-80	50			
		2010		50-30-40	0/0				50-90-120	75		1	l
		2011	*** *** ***	50-0-30	0/0				50-90-150	100		İ	
		2012	*** *** ***	50-0-30	0/0				50-90-180	125		İ	
3, 16/GRGEW02(N)	25/25	2008	Grass Pasture	<b>50-30-4</b> 0	0/0				50-30-40	N/A			
		2009	*** *** ***	50-30-40	0/0				50-60-80	N/A			
	ļ	2010	*** *** ***	50-30-40	0/0				50-90-120	N/A		1	
	ļ	2011	*1* *1* ***	50-0-0	0/0				50-90-120	N/A		]	
		2012		50-0-0	0/0				<b>50</b> -90-120	N/A			
4, 1/GRGEWOB(N)	14/14	2008	Grass Pasture	50-80-80	0/0				50-80-80	N/A		1	
	ł	2009	*** ***	50-80-80	0/0				50-160-160	N/A		1	
		2010		50-80-80	0/0				50-240-240	N/A		ŀ	ļ
		2011		50-90-110	0/0				50-330-350	N/A			
	40140	2012		50-90-110	0/0				50-420-460	N/A	1		<u> </u>
5, 2/GRGEW04(N)	18/18	2008	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
	}	2009			0/0				50-60-80	N/A			
		2010	110 100 100	50-30-40	0/0				50-90-120	N/A			
		2011			0/0				50-140-180	N/A			
		2012		50-50-60	0/0				50-190-240	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Notes:

#### THE PLANNER IS NOT STATE CERTIFIED

McMullen Farm, Inc Narrative

The McMullen Farm, Inc. is located in Green County. The farm consists of pasture and hayland for their cow calf operation.

This partial plan is written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

#### Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil pH	Lime Date	rec. lime tons//Ac
919 GRGEM0	GRGEM0 <b>5</b> 1	1 <b>4</b> 201	12-0S11-Sp I	/ VM(4(45 Pppm)L	L (25 K ppm) A&	A&L Mill 7.	7.3	1500	101144
919 GRGEM0	GRGEM061			-H-(5,5575ppmppm))L	L (32 K ppm) A&	A&L Mill 6.	6. <b>9</b>		
919 GRGEM0	GRGEM0 <b>7</b> 2			_ <b>(</b> 1)(41P4ppnppm))/M-(6	M-(699 KK ppm) A&	A&L MIII 6.	6.2		
919 GRGEM0	GRGEM083			VM(2(266 PP ppm)H-(12	H-(1244 K Kappnomin) A&	A&L MMill 5.	5.5 5		
982 GRGEM0	GRGEM01 3			<b>√Hì(Hì(454P5pβnn</b> opm)) M+(1		A& <b>L M</b> ill 5.	5.7		
982 GRGEM0	GRGEM0 <b>2</b> 2	2 <b>5</b> 201	12611-Sp	-HH(+1,0/201920,197npppm)) H	H- (134 K ppm) A&	A&L Mill 6.	6. <b>5</b>		
<b>982</b> GRGEM0	GRGEM03 '1	1 <b>4</b> 201	12811-Sp I	VM(2(222 P ppm) L	L (24 K ppm) Á&	A&L Mill 6.	6. <b>8</b>		
<b>982</b> GRGEM0	GRGEM04 1	1 <b>8</b> 201	l 12-0\$11-Sp	_(1)2P2pPnppm))L+(4	L+ (46 K ppm) A&	A&L Mill 6.	6.1		

#### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Swill Series	Corn	Small Grain	Alfalfa	Grasss Hay	Environmental Warnings
919	919/3	GRGEM05*	14	Craigsville	11 11/25	11	111	11	High Leaching
	919/8	GRGEM06*	19	Craigsville	IVa	II	Ш	III	High Leachimg
	919/6, 7	GRGEM07	28	Elioak	IVa	III	III	III	
	919//11,44, 5	GRGEM08*	38	Elioak	IVb	111	III	Ш	High Leaching, Poor Drain
982	982//11,22	GRGEM01	35	Elioak	IVa	111	111	111	
	982/3, 16	GRGEM02*	25	Craigsville	IVb	(1)	III	##	High Leaching
	982/4, 1	GRGEM03	14	Dyke	IVb	111	Ш	IV	3 0
	982/5, 2	GRGEM04	18	Kinkora	IVb	IV	Not Suited	IV	

<sup>\*</sup> Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

#### Yield Range

Field	Corn Graim	Barley/Intensiwe	Std. Wilheat	Alfalfa	Grass/Htay
Productivity	Bu/Acre	Wheat Bu/Acre	Bu/Acre	Tons/Axre	Toms//Acre
Group					
	≽170	>80	<b>≽64</b>	>6	<b>≥</b> 4.0
11	150-170	70-80	56-64	4-6'	3.5-4.0
III	<b>130-15</b> 0	60-70	48-56	<b>≪4</b>	3.0-3.5
IV	<b>100-13</b> 0	50-60	40 <b>-48</b>	NA	<b>≼</b> 3.0
V	<100	<50	<40	NA	NA

#### **Farm Summary Report**

Plan:

New Plan

Summer, 2008 - Winter, 2012

Farm Name:

McMullen Farm, Inc.

Location:

Greene

Specialist:

Recyc Systems, Inc.

N-based Acres: 154.7 P-based Acres: 34.5

Tract Name:

919

FSA Number: 919

Location:

Greene

Field Name:

**GRGEM05** 

Total Acres:

13.80 Usable Acres: 13.80

FSA Number:

3

Tract:

919

Location:

Greene

Slope Class:

В

Hydrologic Group:

D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PΗ

K

Sp-2011

7.3

M+(45 P ppm)

L(25 K ppm)

A&L MIII

Lab

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Field Name:

GRGEM06

Total Acres:

18.50 Usable Acres: 18.50

FSA Number: 8

Tract: 919

Location:

Greene

Slope Class: Α Hydrologic Group:

D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

Κ L(32 K ppm)

A&L MIII

Lab

Sp-2011

6.9

H-(55 P ppm)

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Field Name:

**GRGEM07** 

Total Acres:

28.10 Usable Acres: 28.10

FSA Number: 6, 7 Tract:

919

С

Location:

Greene

Slope Class:

Hydrologic Group:

D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

K DATE Lab PH

Sp-2011 6.2 L(14 P ppm) M-(69 K ppm) A&L MIII

Field Warnings:

Field Name: GRGEM08

38.10 Usable Acres: 38.10 Total Acres:

FSA Number: 1, 4, 5 Tract: 919

Location:

Greene

Hydrologic Group: Slope Class: D D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

PΗ DATE K Lab

5.5 M-(26 P ppm) H-(124 K ppm) A&L MIII Sp-2008

#### Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

Tract Name:

982

FSA Number:

982

Location:

Greene

Field Name:

GRGEM01

Total Acres:

34.50 Usable Acres: 34.50

FSA Number:

1, 2

С

Tract: Location: 982 Greene

Slope Class:

Hydrologic Group:

D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

Ρ PH

K

Lab

Sp-2011

5.7

VH(145 P ppm)

M+(110 K ppm)

A&L MIII

Field Warnings:

Field Name:

**GRGEM02** 

Total Acres:

24.90 Usable Acres: 24.90

FSA Number: Tract:

3, 16 982

В

Location:

Greene

Slope Class:

Hydrologic Group:

D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE Sp-2011 PH

Lab

6.5 H+(102 P ppm) H-(134 K ppm) **A&L MIII** 

#### Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Field Name:

**GRGEM03** 

Total Acres:

13.80 Usable Acres: 13.80

FSA Number: 4, 1

С

Tract:

982

Location:

Greene

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2011 6.8 M-(22 P ppm) L(24 K ppm) A&L MIII

Field Warnings:

Field Name: GRGEM04

Total Acres: 17.50 Usable Acres: 17.50

FSA Number: 5, 2 Tract: 982

Location: Greene

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

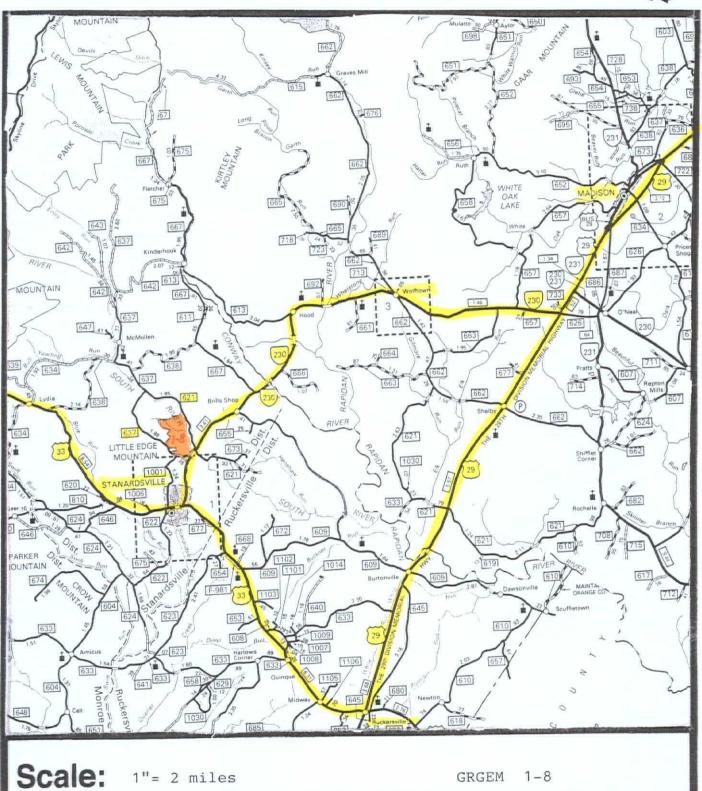
Sp-2011 6.1 L(12 P ppm) L+(46 K ppm) A&L MIII

Field Warnings:

## MAPS

PUBLIC SHOULD SH

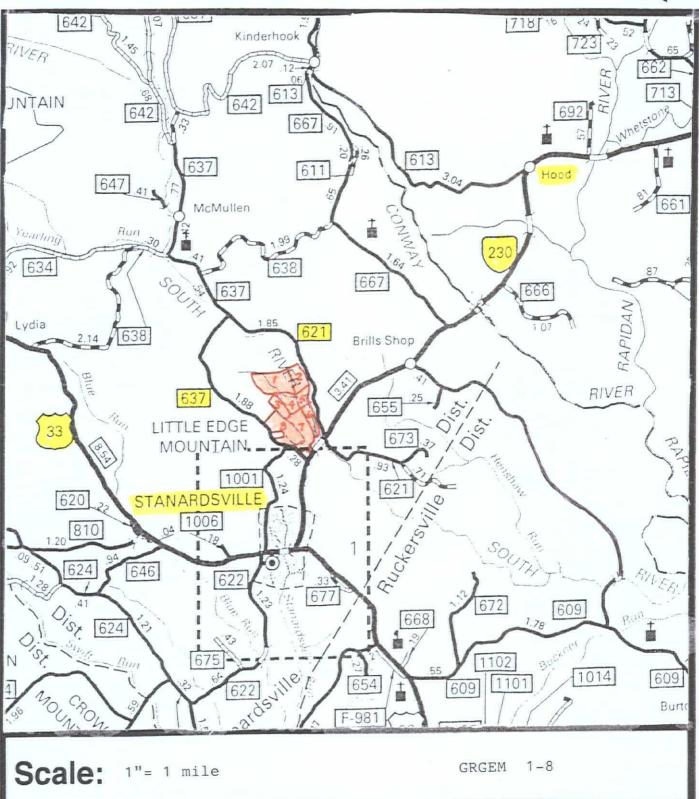
(Biosolids Land Application)



**VICINITY MAP** 

) FARTHERS

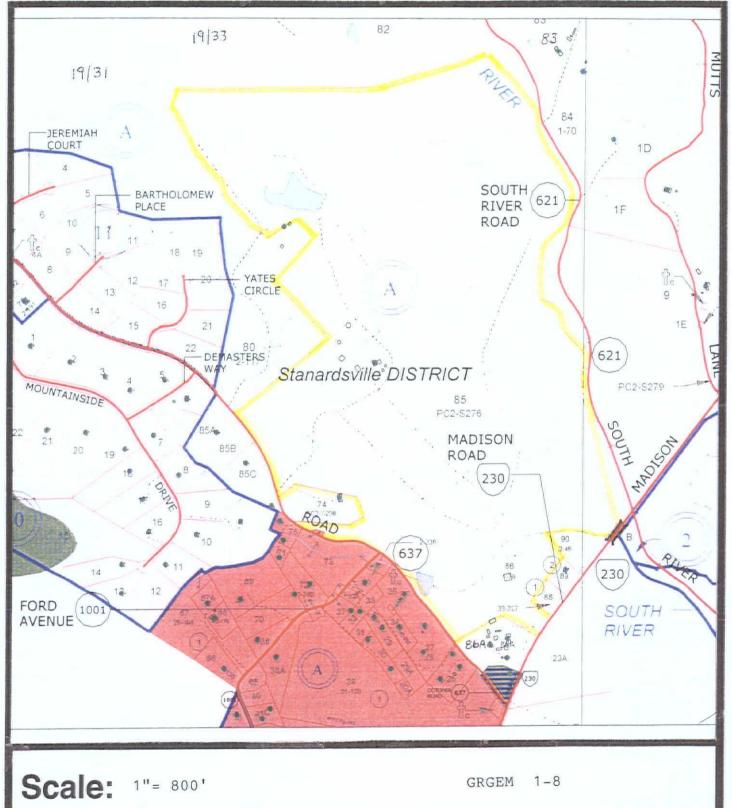
(Biosolids Land Application)



VICINITY MAP

(Biosolids Land Application)

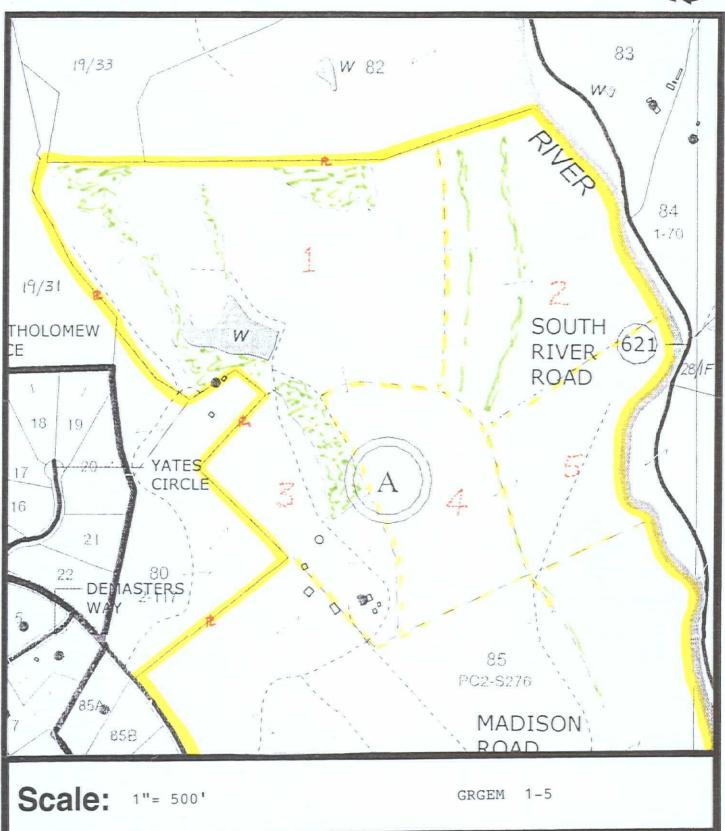




TAX MAP

(Biosolids Land Application)



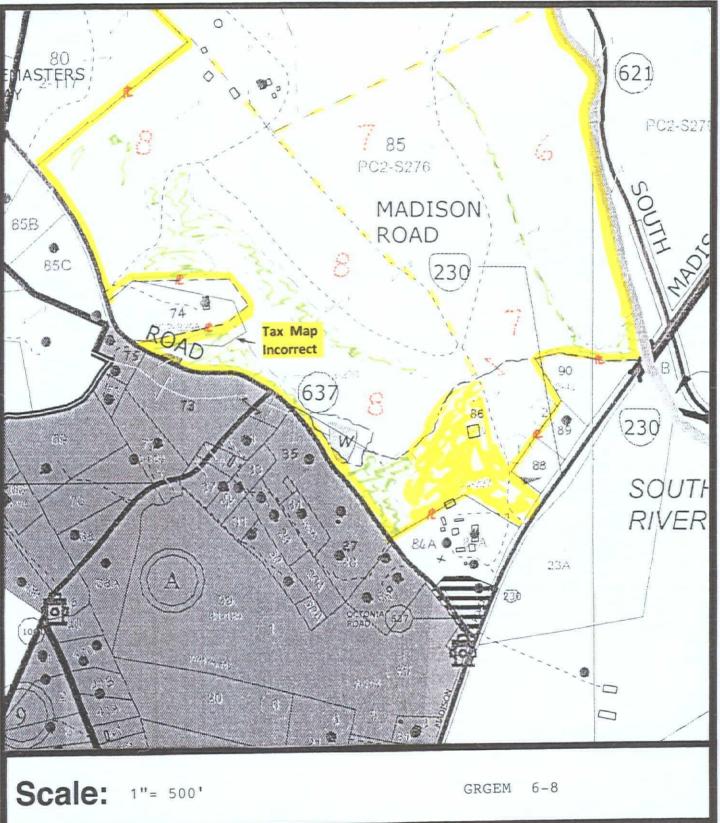


TAX MAP

# Recyc Systems Inc.

(Biosolids Land Application)





TAX MAP

## **ADJOINING LANDOWNERS**

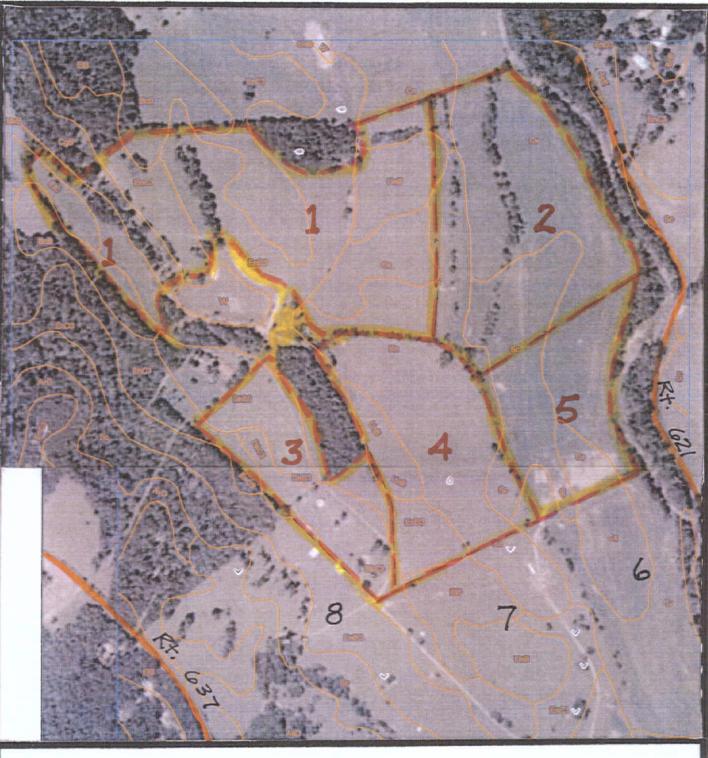
### The McMullen Farm, Inc. Site

### **GREENE COUNTY**

Tax Map	Parcel #	Owner Name(s)
Tax Map	Tarcer	Owner (value(s)
19°	31	South River Land Preservation
19	33	Linwood A. Rhodes
	33	Linwood A. Rhodes
27	23A	Jeraldine Tata
27	23A 27	
	73	Christine J. Spencer  Vance Brock
	74	William B. McMullen
	75	Ashley D. Thomas
,	80	James R and Mary P. Roberts
	82	Linwood A. Rhodes
	83	Florence Ferguson and Harry E. Jr.
	84	Elwood and Betty Knighton
	85	The McMullen Farm, Inc
	85A	The McMullen Farm, Inc
	85B	The McMullen Farm, Inc
	85C	The McMullen Farm, Inc
	86	Emmett McMullen
ŀ	88	Peggy and Ronald G. Loisel
	89	Peggy and Ronald G. Loisel
	90	Peggy and Ronald G. Loisel
28	1F	Eugene H. Taylor, Jr. and Diane E.
		No.
<u>.</u>		
<u> </u>		
·		

1C. (Biosolids Land Application)



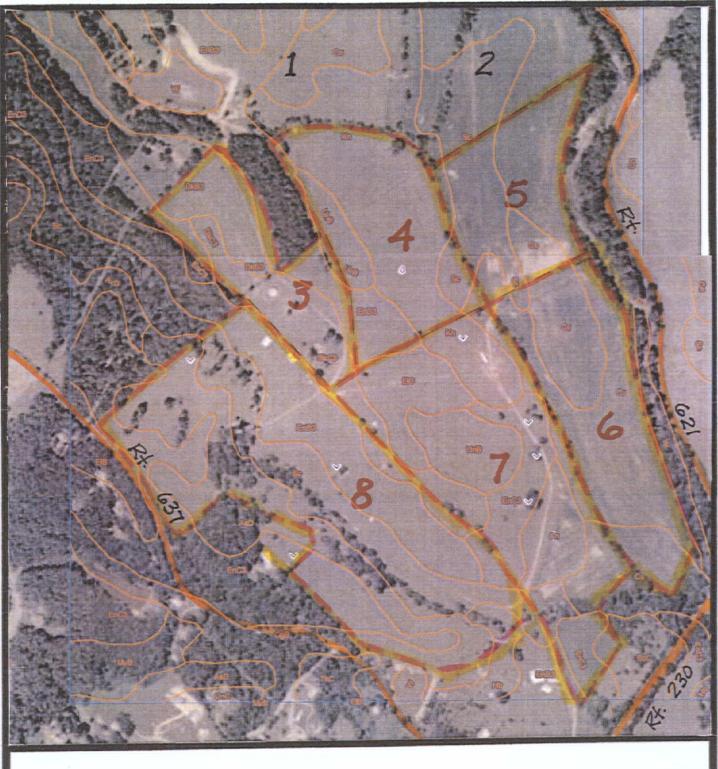


Scale: 1"= 500'

GRGEM 1-5

(Biosolids Land Application)





Scale:

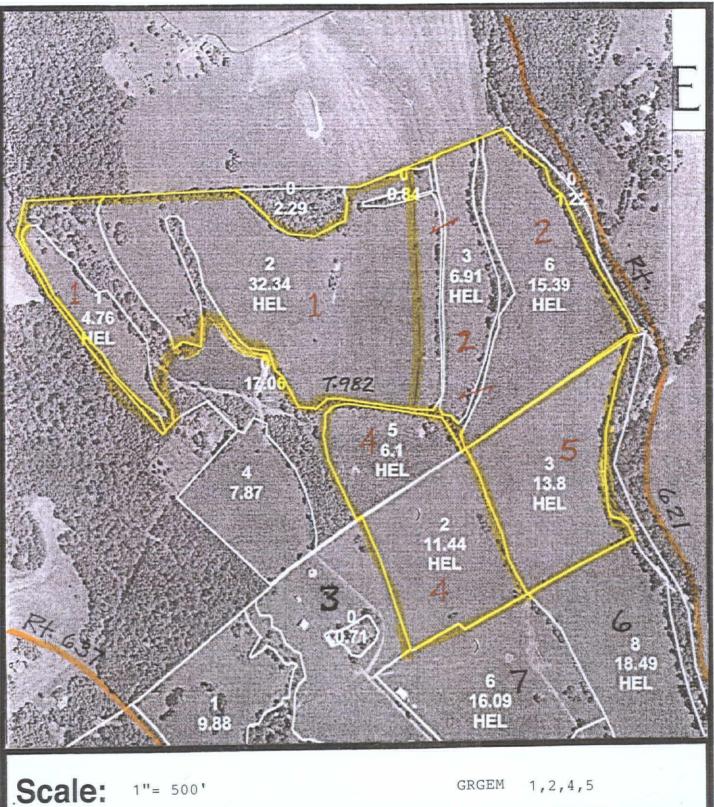
1"= 500

GRGEM 3-8

SOIL MAP

(Biosolids Land Application)

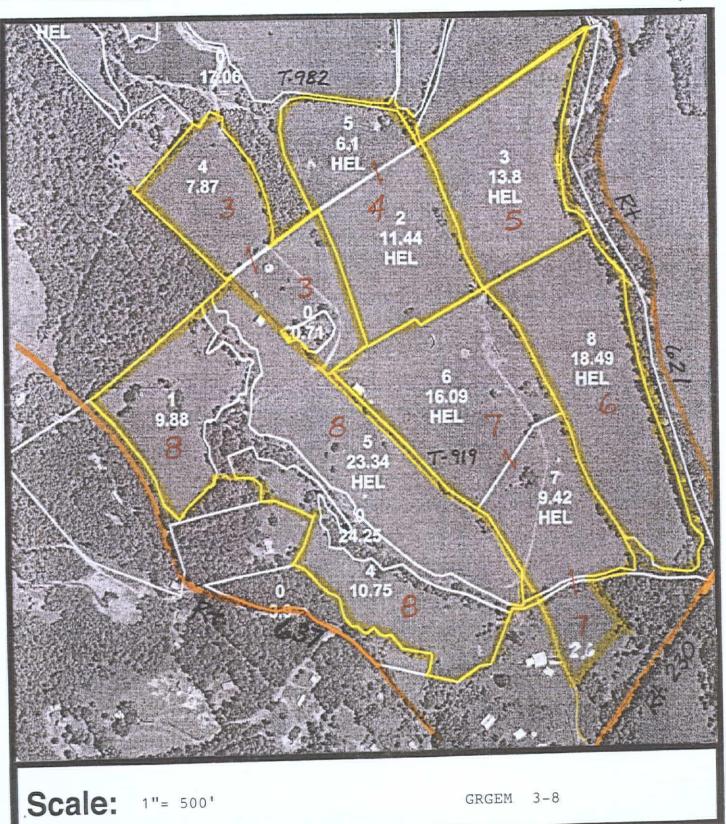




**AERIAL MAP** 

(Biosolids Land Application)





**AERIAL MAP** 

## Legend for Site Plan

HAN

House and Well

W



Well / Spring

\_\_\_\_

Perennial Streams & Surface

#

Wet Spot

Intermittent Stream / Drainage



Trees and Woods



Private Drive

Rock / Rocky Area



Sinkhole



Severely Eroded Spot



- 是一足一

State Road



Field Boundary / Fence



Property Line

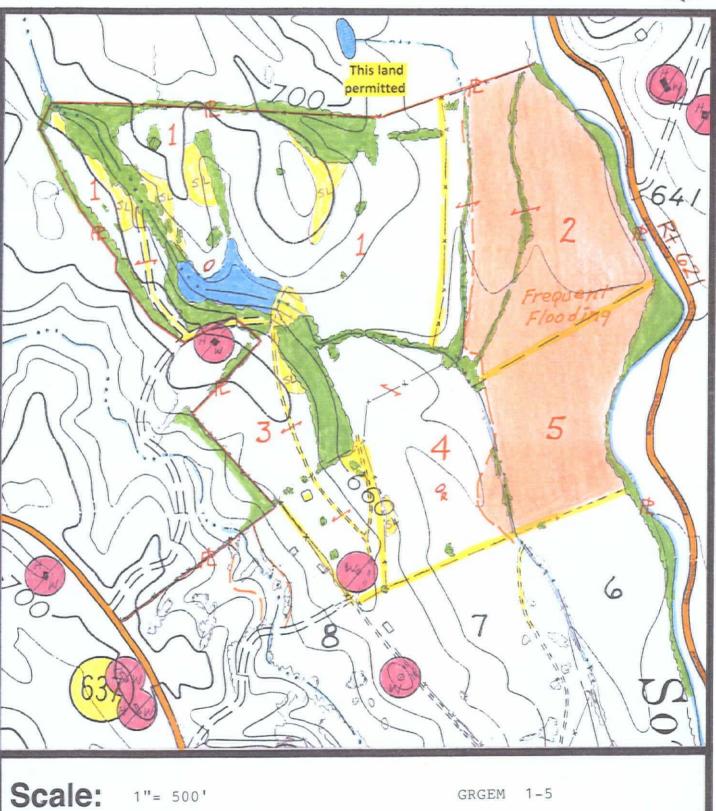


Slope

Frequent Flooded Soil

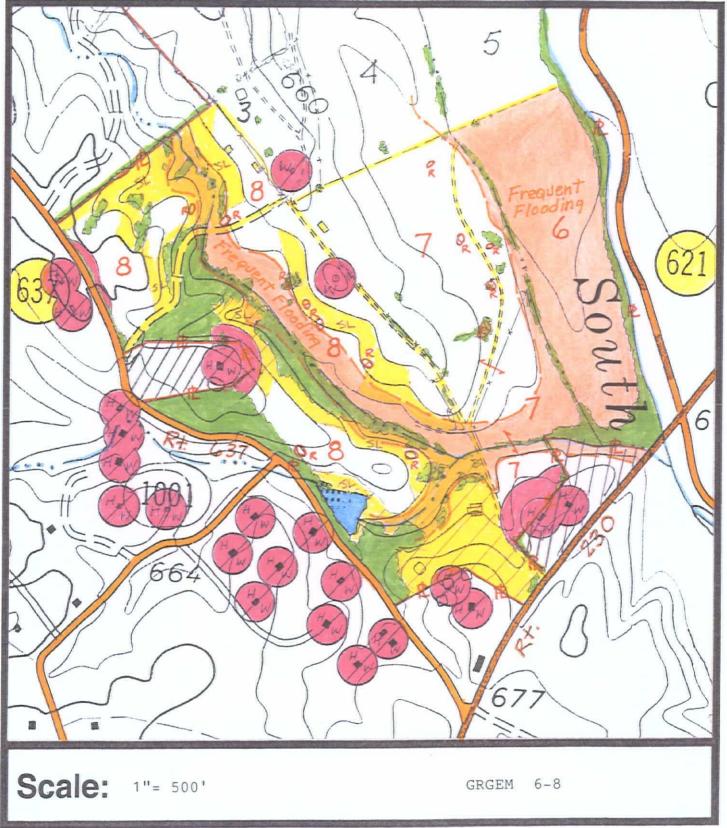
(Biosolids Land Application)





(Biosolids Land Application)

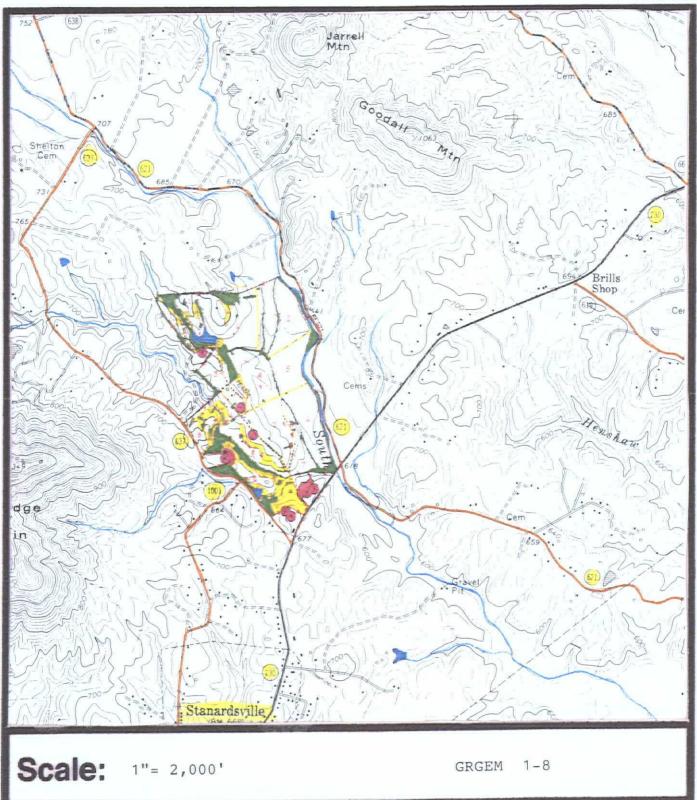




SITE PLAN

(Biosolids Land Application)





TOPOGRAPHIC MAP